CHADDERTON

URBAN DISTRICT COUNCIL.

REPORT

OF THE

MEDICAL OFFICER OF HEALTH

For the Year 1910.

HENRY HOYLE,

Clerk to the Council.

Town Hall, Chadderton,

April, 1911.

OLDHAM :

W. E. CLEGG, PRINTER, STATIONER, ETC., 30, MARKET PLACE.

CHADDERTON URBAN DISTRICT COUNCIL.

			1910
Area in statue acres			3.080
Population (Census) 1901			24,892
Number of Inhabited Houses (Census) 1901			5,402
Average Number of Persons per house			4·61
Births Registered during 1910	Males, 364 Females, 359	Total	723
Deaths	Males, 231 Females, 234	Total...	465
Birth Rate			25·6
Death Rate			16·4
Infantile Death Rate			152
Zymotic Death Rate			1·80

Medical Officer's Annual Report.

To the Chairman and Members of the Chadderton District Council.

Gentlemen,

During the year 1910, 414 deaths were registered in Chadderton. In addition the following deaths occurred in public institutions outside the district :—

Oldham Union Workhouse	28
Oldham Infirmary	16
Oldham Fever Hospital	5
Manchester Royal Infirmary	1
County Lunatic Asylum, Lancaster..	1

The above are all included in the statistics, but 3 deaths of Chadderton residents which occurred outside the district, but not in public institutions, are not included. The nett deaths belonging to the district are, therefore, 465, of whom 231 were males and 234 females.

The corrected or nett death rate was 16·4 per thousand of the population, slightly higher than last year (16·1), but lower than the average of the previous 10 years (18·1).

The number of births registered during the year was :— Boys, 364 ; Girls, 359 ; Total, 723, a decrease of no less than 98 from the previous year. 19 of these births were illegitimate.

The birth rate was 25·6 ; the average of the previous 10 years being 28·0.

The birth and death rates are calculated on an estimated population of 28,200.

The " natural increase " of population, found by subtracting deaths from births, was 258.

Deaths of infants under 1 year of age :—

Certified 110

Uncertified 0

4 of these infants were of illegitimate birth.

I regret that the infantile death rate has risen from 103 in 1909 to 152 in 1910. The average of the previous 10 years was, however, 153, the year 1909 being abnormally low.

The deaths from the seven principal Zymotic Diseases for the last five years were as follows :—

	1906	1907	1908	1909	1910
Smallpox	0	0	0	0	0
Scarlet Fever	8	2	2	5	2
Diphtheria	9	11	5	9	2
Enteric Fever	1	1	2	1	4
Measles	17	13	23	9	15
Whooping Cough	4	15	3	5	22
Diarrhœa	17	10	25	8	6
Total	56	52	60	37	51
Zymotic Death Rate	2·10	1 92	2·19	1·30	1·80

INFECTIOUS DISEASES.

The following Table gives the infectious cases reported during the last five years :—

	1906	1907	1908	1909	1910
Smallpox	28	0	0	0	5
Diphtheria	23	28	14	21	12
Erysipelas...	12	11	10	31	5
Scarlet Fever	122	68	55	65	146
Enteric Fever	10	8	12	2	8
Puerperal Fever	2	1	0	4	0
*Chicken Pox	120	24	0	0	0

* Chicken pox is not now notifiable.

SCARLET FEVER.

There were cases of this disease reported every month, but in July the number suddenly increased, and from then to the end of the year there was a considerable epidemic, causing 131 out of the total for the year of 146. The outbreak was worst in the Middleton Junction district, and, I suspect, was caused by mild undiscovered cases going about the streets and to school. I recommended closure of the Middleton Junction School, and this was done on August 9th till after the Wakes holidays, and the closure was continued subsequently for another fortnight. Having reason to suspect that there was wilful neglect in reporting cases in the neighbourhood of Dromer Hill, I made a house-to-house visitation, and discovered 12 convalescent children who had evidently had Scarlet Fever, and had been going out of doors whilst desquamating. The heads of the family in 3 cases were summoned to appear before the Magistrates, and small fines imposed as a warning to others. About October, the epidemic was most serious in the Busk district (North Ward). 21 cases of Scarlet Fever were removed to Westhulme Hospital. There were 2 deaths, both in hospital.

DIPHTHERIA.

There were 12 cases, with 2 deaths. In the latter part of the year, the Committee recommended the Council to sanction the supply, free of cost, of Diphtheria Antitoxin to any Doctor reporting a case, if required.

ENTERIC FEVER.

Eight cases, with 4 deaths, 2 of which occurred in hospital. One case was that of a man who worked at a farm. I visited the farm, and ordered every precaution to be taken to avoid infection of the milk.

SMALLPOX.

This appeared in the district for the first time for four years in November, the first case being that of a girl who worked in the cardroom of a Chadderton mill. No source of infection was found unless it was the American Cotton in use at the mill, which came from Memphis, U.S.A., and it is impossible to prove that such was the cause. Four other cases followed, and were all traced to infection by the first case. All were mild in character, and were treated in Cinder Hill Hospital. As I have already presented a special report on them, which has been sent to the Local Government Board, I say no more about them here.

The usual precautions were taken in all cases of notifiable infectious disease, such as exclusion from school of other members of the family, fumigation of the houses with sulphur dioxide, &c.

The following Schools were closed on my recommendation :

Name of School.	Period of Closure.	Cause of Closure.
Middleton Junction...	Aug. 9th to about Oct. 4th...	Scarlet Fever
Eustace Street...	In August	Measles
Busk Wesleyan ...	Nov. 18th to Dec. 9th ...	Measles
St. Mark's... ...	Nov. 18th to Dec. 9th ...	Measles
Stanley Road	Dec. 7th till Christmas ...	Measles

OPHTHALMIA NEONATORUM.

In December, it was decided to add the above disease to the list of notifiable infectious diseases.

INFANTILE DIARRHŒA.

This disease made its appearance later in the year than usual, being prevalent in October, November, and December; and in my report, on December 1st, I pointed out that the house-fly had also put in an appearance at the same time, and was still to be seen in November, or even later. The presence of the latter was probably the cause of the former.

For the information of the Local Government Board, I repeat, as in my last Annual Report, that the principal occupations of the inhabitants of Chadderton are Cotton Spinning, Weaving, and Machine Making.

The house accommodation as regards the newer cottages, which are four or six-roomed, and have separate backyard and sanitary conveniences, is good, but many old cottages have to join at a common backyard, &c.

There are still a very few back-to-back houses and cellar dwellings; and there are still far too many open ashpits, although these are gradually being replaced by bins or cans.

I am glad that the Council are insisting on extra closet accommodation where required.

MEAT INSPECTION.

No special arrangements have been made by the Council, but the Slaughter Houses (10 in number) are visited annually by the Council, and the Sanitary Inspector pays frequent visits to them, sometimes at the time of slaughtering. He did not find any tuberculous carcases.

The Notification of Births Act has not yet been adopted in this district.

DISPOSAL OF REFUSE.

I am glad to say that the Council have decided on the erection of a Refuse Destructor.

WATER SUPPLY.

This is from the Oldham Corporation Waterworks.

SANITARY INSPECTION.

During the year 28 notices regarding nuisances were sent out, and 20 have been abated. 179 notices of defective sanitary cans were sent out, and about 150 have been replaced with new ones.

49 canal boats have been inspected (38 wide, 6 steam, 5 narrow), and all were found satisfactory and in accordance with the Act.

66 visits have been paid to factories and 18 to workshops, and these were found satisfactory.

137 smoke observations were made, and 14 reports were sent to the owners of the excessive amount of black smoke emitted. 6 firms have been served with statutory notice to abate the nuisance, and in several cases a great improvement has been made. Proceedings have been taken against two firms for the excessive amount of black smoke emitted, and an order of the Court for abatement obtained.

72 notices have been sent out requiring the owners to provide extra closet accommodation, 37 of which have been complied with and others are in progress.

Chief Sanitary Requirements :—

Enforcement of Dairy and Cowshed Regulations.

Number of water closets constructed during the year ending 31st December, 1910 :—

For New Buildings—

Waste-Water Closets	70
Water Closets	28

Conversion of Pail Closets—

Waste-Water Closets	592
Water Closets	288
Total	978

Total number of Water Closets in the district :—

Waste-Water Closets	1568
Water Closets	744
Total...	2312

SEWERING AND PAVING OF PRIVATE STREETS,

Under the Private Street Works Act, 1892.

Streets Completed during the year ending Dec. 31st, 1910 :—

Milne Street (part of).

Chancery Street.

Wood Street.

Simpson Street.

Stott Milne Street.

Wright Street.

Hollingworth Street.

Wilton Street.

Carrington Street.

Passages between Victoria Street and Garforth Street.

Passage behind Brook Street.

Scholes Street.

Fulton Street.

Thornley Street.

Works in Progress :—

Taylor Street.

Gaythorne Street.

Union Street.

Passage behind Old Lane.

Rose Street.

Whitehead Street.

Works for which Contracts have been entered into :—

Derby Street.

Whiteley Street.

Engine Street.

Bourne Street.

Gorton Street.

Charles Street (part of).

Wharf Street.

Road leading to Rose Mill.

Passage between Wilton Street and Hardman Street (part of).

I am,

Your obedient Servant,

H. ASHTON,

Medical Officer of Health.

Chadderton Urban District.—Table 1. Vital Statistics of Whole District during 1910 and Previous Years.

YEAR	Population estimated to Middle of each year	Birth		Total Deaths Registered in the District				Total Deaths in Public Institutions in the District	Deaths of Non-residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District	Nett Deaths at all Ages belonging to the District	
				Under 1 Year of Age		At all Ages						
		Number	Rate *	Number	Rate per 1,000 Births registered	Number	Rate *				Number	Rate *
1	2	3	4	5	6	7	8	9	10	11	12	13
1900	24611	686	27·8	141	205	479	19·5	...	...	32	511	20·7
1901	24892	673	27·0	113	168	460	18·4	...	...	39	499	20·0
1902	25300	759	30·0	117	154	442	17·4	2	2	11	451	17·8
1903	25500	715	28·0	130	182	407	15·9	9	6	41	442	17·3
1904	25800	670	25·9	100	149	420	16·2	2	...	43	463	18·0
1905	26200	713	27·2	104	145	407	15·5	...	...	41	448	17·1
1906	26600	744	28·0	87	117	436	16·3	...	...	46	482	18·1
1907	27000	779	28·8	130	166	467	17·3	...	..	49	516	19·1
1908	27400	788	28·7	116	147	433	15·8	...	...	41	474	17·3
1909	27800	821	29·5	85	103	397	14·2	..	...	51	448	16·1
Averages for years 1900-1909	26110	734	28·0	112	153	434	16·6	..	...	39	473	18·1
1910	28200	723	25·6	110	152	414	14·6	...	...	51	465	16·4

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Note.—The deaths to be included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-residents" is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public Institutions" to be taken into account for the purposes of these Tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses, and lunatic asylums. A list of the Institutions in respect of the deaths in which corrections have been made as follows:—Cinder Hill Smallpox Hospital, Oldham Infirmary, Oldham Union Workhouse, Manchester Royal Infirmary, County Lunatic Asylum.

Area of District in acres (exclusive of area covered by water) 3,080. Total population at all ages, 24,892. Number of inhabited houses, 5,402 Average number of persons per house, 4·61. (At Census of 1901.)

CHADDERTON URBAN DISTRICT.—Table III.

Cases of Infectious Disease notified during the Year 1910.

NOTIFIABLE DISEASE	Cases Notified in Whole District.							Total Cases Notified in each Locality			No. of Cases Removed to Hospital from each Locality			Total cases rem'vd to Hospt'l
	At all Ages	At Ages—Years						North Ward	Central Ward	South Ward	North Ward	Central Ward	South Ward	
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards							
Small-pox	5	...	...	2	3	...		1	4	...	1	4		5
Cholera	...	...	...	...	...	...	...	...	...	...	...		...	..
Diphtheria (including Membranous croup)	12	...	5	5	...	2	..	4	4	4	.	..	...	...
Erysipelas	5	...	...	2	1	2	...	2	1	2	...	...	...	
Scarlet Fever	146	1	36	104	2	3	...	59	80	7	4	17	...	21
Typhus Fever	...	...	...	...	...	...	...	...	.	...		...	...	...
Enteric Fever	8	...	...	1	3	4	...	5	2	1	4	1	.	5
Relapsing Fever	...	...	...	...	...	...	..	...	...	...	...	...	...	
Continued Fever	...	...	...	...	..	...	...	...	...	...	...	..	..	...
Puerperal Fever	...	...	...	...	...	...	...	...	...	...	...		...	...
Plague	...	...	..	...	...				...	...	...	...	.	..
Totals	176	1	41	114	9	11	...	71	91	14	9	22	..	31

Isolation Hospitals { Cinder Hill (Small-pox) North Ward.
Westhulme Hospital, Oldham.

Total available Beds, 24 for Small-pox.
No. of Diseases that can be concurrently treated, 3.

Chadderton Urban District.—Table IV.
Causes of, and Ages at, Death during the Year 1910.

Causes of Death.	Deaths at the subjoined ages of "Residents," whether occurring in or beyond the District.							Total Deaths in Public Institutions in the District.
	All Ages.	Under 1 Year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	
1	2	3	4	5	6	7	8	
Small-pox	...	...	...	...	...	...	...	
Measles	15	...	14	1	...	...	...	
Scarlet Fever	2	...	...	2	...	...	...	
Whooping Cough ...	22	14	8	...	...	...	...	
Diphtheria (including Membranous Croup).	2	...	2	...	...	...	...	
Croup	1	...	...	1	...	...	...	
Fever (Typhus ...	...	...	...	...	...	...	...	
Fever (Enteric	4	...	...	1	2	1	...	
Fever (Other continued ...	...	...	...	...	...		...	
Epidemic Influenza ...	5	..	...	...	1	4	...	
Cholera	...	...	...	...	...	...	...	
Plague	...	...	...	...	...	...	...	
Diarrhœa	6	2	4	...	...	...	...	
Enteritis	16	9	4	2	1	...	...	
Gastritis	4	3	1	...	...	...	...	
Puerperal Fever... ...	.		...	...	...	...	...	
Erysipelas	...	...	...	...	...	...	...	
Phthisis (Pulmonary Tuberculosis)	26	2	2	4	3	15	...	
Other Tuberculous Diseases	22	7	9	4	1	1	...	
Cancer, malignant diseases	22	...	...	...	...	15	7	
Bronchitis	45	13	7	...	1	10	14	
Pneumonia	46	13	15	1	2	10	5	
Pleurisy	1	...	...	1	...	...	...	
Other Diseases of Respiratory Organs ...	3	2	...	...	...	...	1	
Alcoholism / Cirrhosis of Liver ...	3	...	...	...	...	3	...	
Venereal Diseases ...	1	1	...	...	...	...	...	
Premature Birth ...	14	14	...	...	...	...	...	
Diseases and Accidents of Parturition	...	...	...	...	...	...	...	
Heart Diseases	40	...	3	1	...	9	1	
Accidents	14	...	3	1	...	9	1	
Suicides	6		...	...	...	5	1	
All other causes... ...	145	30	12	5	8	47	43	
All causes	465	110	84	25	20	139	87	

Chadderton Urban District.—Table V.

INFANTILE MORTALITY DURING THE YEAR 1910.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
ALL CAUSES—Certified	22	4	4	7	37	8	11	10	4	7	5	6	5	6	7	4	110
,, Uncertified	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Common Infectious Diseases—																	
Small-pox	...	...	...	..	...	...	...	...	...	...	...	..	...	..		...	..
Chicken-pox	...	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	. .	...	...	...	...	..	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...		...	...	...	...
Diphtheria : (including Membranous Croup)	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...
Whooping Cough	...	...	...	...	...	2	2	1	...	1	3	1	1	2	1	...	14
Diarrhœal Diseases—																	
Diarrhœa, all forms	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	2
Enteritis, Muco-enteritis, Gastro-enteritis.	...	...	...	1	1	1	2	1	...	1	1	...	2	..	...	..	9
Gastritis, Gastro-intestinal Catarrh	..	...	...	.	...	...	...	2	...	...	...	...	...	...	...	1	3
Wasting Diseases—																	
Premature Birth	10	...	2	1	13	..	1	...	..	...	...	..	...	...	...	...	14
Congenital Defects	1	1	...	...	2	...	...	...	...	...	...	...	...	...	.	...	2
Injury at Birth	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
Want of Bre'st-milk, St'rv'ti'n	...	...	...	...	...	...	...	...	...	...	...					...	...
Atrophy, Debility, Marasmus	6	2	...	.	8	...	...	...	...	1	...	1	..	1	...	...	11
Tuberculous Diseases—																	
Tuberculous Meningitis	...	.	...	...	...	...	...	2	...	...	...	...	...	...	...	2	4
Tuberculous Peritonitis : Tabes Mesenterica	...	...	...	...	...	1	...	...	...	...	...	...	1	1	...	...	3
Other Tuberculous Diseases.	...	...	...	...	...	...	...	...	...	1	..	...	...	...	1	..	2
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	.	...	...	...	...
Syphilis	...	...	...	1	1	...	..	...	...	..	...	...	...	...	...	...	1
Rickets	... .	...	...	...	..	...		...	...	...	...	...	...	...	...	.	...
Meningitis (*not Tuberculous*)	...	..	...	1	1	1	...	...	1	...	...	...	...	..	...	..	3
Convulsions	2	...	1	...	3	1	...	1	...		...	1	...	1	2	...	9
Bronchitis	...	..	1	2	3	1	3	2	1	1	...	2	...	.	.	.	13
Laryngitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Pneumonia	...	1	...	...	1	1	1	...	2	1	1	1	...	1	3	1	13
Suffocation, overlying	...	...		...	...	...	...	...	...	...	.	...	...	...	...	...	...
Other Causes	3	...	...	1	4	...	1	1	...	...	...	...	1	...	...	...	7
	22	4	4	7	37	8	11	10	4	7	5	6	5	6	7	4	110

Population, estimated to middle of 1910, 28,200.

Births in the Year—Legitimate, 704 ; Illegitimate, 19.

Deaths in the year of Legitimate Infants, 106 ; Illegitimate Infants, 4.